







PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference PCT02036	FOR FURTHER	ACTION	See Form PCT/IPEA/416			
International application No. PCT/JP2003/013301		late (day/month/year) 03 (17.10.2003)	Priority date (day/month/year) 18 October 2002 (18.10.2002)			
International Patent Classification (IPC) or n A61B 8/08			(2012012002)			
Applicant H	ITACHI MEDICA	AL CORPORATIO	N			
This report is the international prelin Authority under Article 35 and trans	ninary examination re mitted to the applican	port, established by this t according to Article 3	International Preliminary Examining 6.			
 This REPORT consists of a total of sheets, including this cover sheet. This report is also accompanied by ANNEXES, comprising: 						
						
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.						
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4. This report contains indications relating to the following items:						
Box No. I Basis of the rep	port					
Box No. II Priority						
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
Box No. IV Lack of unity of invention						
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
Box No. VI Certain docume Box No. VII Certain defects						
	in the international ap					
Box No. VIII Certain observa	ations on the internation	onal application				
Date of submission of the demand		Date of completion o	f this report			
17 May 2004 (17.05.20	004)	09 Sep	otember 2004 (09.09.2004)			
Name and mailing address of the IPEA/JP		Authorized officer				
Facsimile No.		Telephone No				







Box No	. I	Basis of the report				
1. With other	regard wise in	to the language, this report is based on the international application in the language in which it was filed, unless adicated under this item.				
	This report is based on translations from the original language into the following language which is language of a translation furnished for the purpose of: international search (under Rules 12.3 and 23.1(b))					
]						
İ		publication of the international application (under Rule 12.4)				
		international preliminary examination (under Rules 55.2 and/or 55.3)				
jurnis	snea to ire not	It to the elements of the international application, this report is based on (replacement sheets which have been the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" annexed to this report): oternational application as originally filed/furnished				
		escription:				
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3	The a	mendments have resulted in the cancellation of:				
		the description, pages				
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to sequence listing (specify):				
4.	(Rule	eport has been established as if (some of) the amendments annexed to this report and listed below had not been since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box 70.2(c)). the description, pages the claims, Nos the drawings, sheets/figs the sequence listing (specify):				
		any table(s) related to sequence listing (specify):				
	<u></u>					
* If item	ı 4 app	lies, some or all of those sheets may be marked "superseded."				





Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industriall applicable have not been examined in respect of:
the entire international application.
Claims Nos
because: the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify):
the description, claims or drawings (indicate particular elements below) or said claims Nosare so unclear that no meaningful opinion could be formed (specify):
the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.
no international search report has been established for said claims Nos
the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:
the written form has not been furnished
does not comply with the standard
the computer readable form has not been furnished
does not comply with the standard the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.
see Supplemental Box for further details.





Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

Novelty (N)	Claims	2-7, 17-20	YES
	Claim	1	NO
Inventive step (IS)	Claims	5	YES
	Claims	1-4, 6,7, 17-20	NO
Industrial applicability (IA)	Claims	1-7, 17-20	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

Document 1: JP 5-317313 A (Ken ISHIHARA, Hitachi Medical Corp.), December 3, 1993 (Family:

none)

Document 2: JP 6-178777 A (Aloka Co., Ltd.), June 28, 1994 (Family: none)

Claim 1

The invention described in claim 1 does not appear to be novel or to involve an inventive step based on document 1. Document 1 discloses an ultrasonographic device having pressure measurement means, wherein a color elastic image is superimposed on a cross-layer image and displayed.

Claims 2-4, 6, 7, 17-20

The inventions described in claims 2-4, 6, 7 and 17-20 do not appear to involve an inventive step based on documents 1 and 2. Document 2 discloses technology for setting the synthesis ratio as one choses when superimposing a cross-layer image and color Doppler image. Further, in color image synthesis, separating the image information of both images into three primary colors and calculating is something that is normally performed by a person skilled in the art. Therefore, applying the technology described in document 2 to the invention described in document 1 to achieve the inventions described in claims 2-4, 6, 7 and 17-20 would be obvious to a person skilled in the art.

Claim 5

None of the documents cited in the ISR describes nor suggests the invention described in claim 5.

Form PCT/ IPEA/409 (Box No. V) (January 2004)